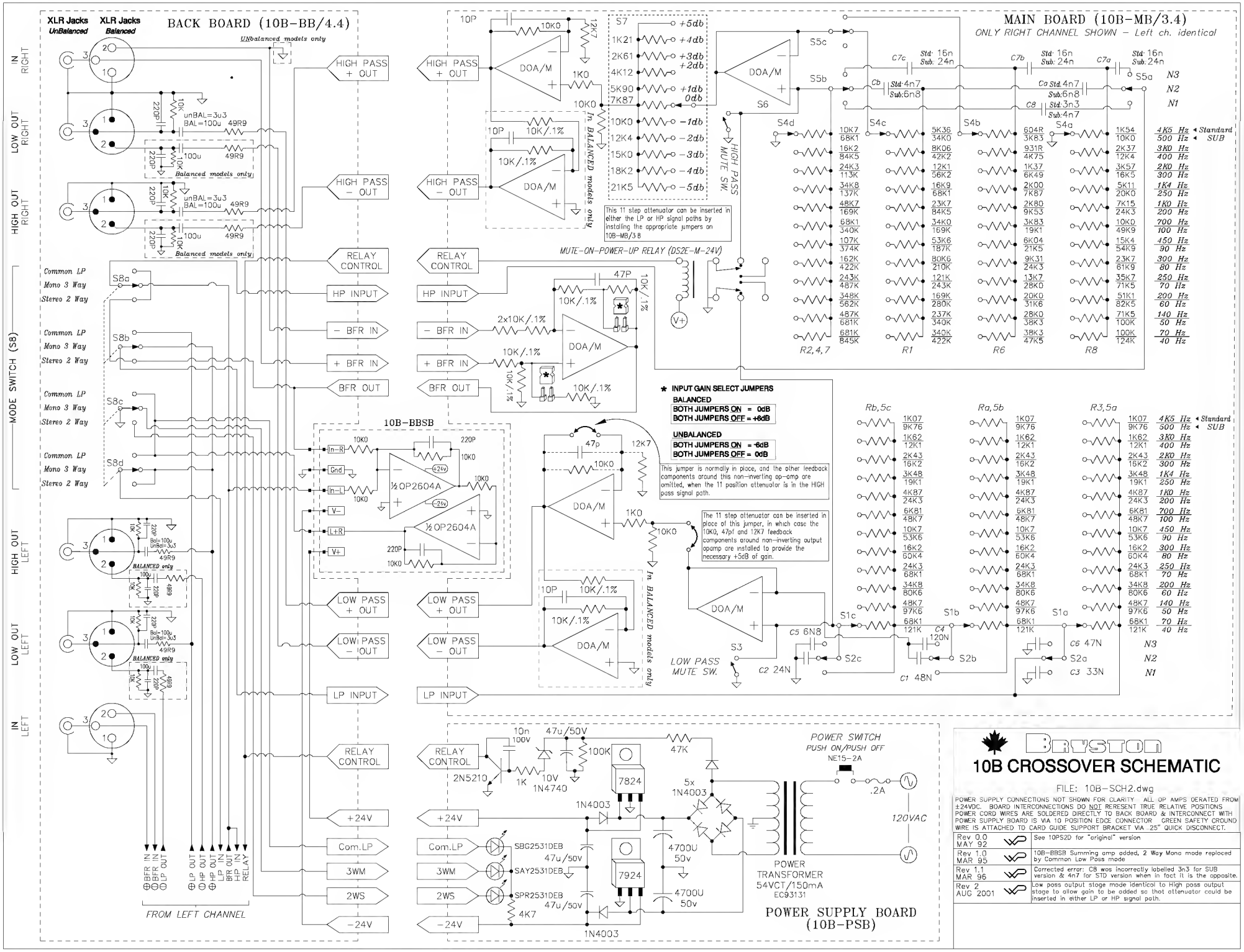
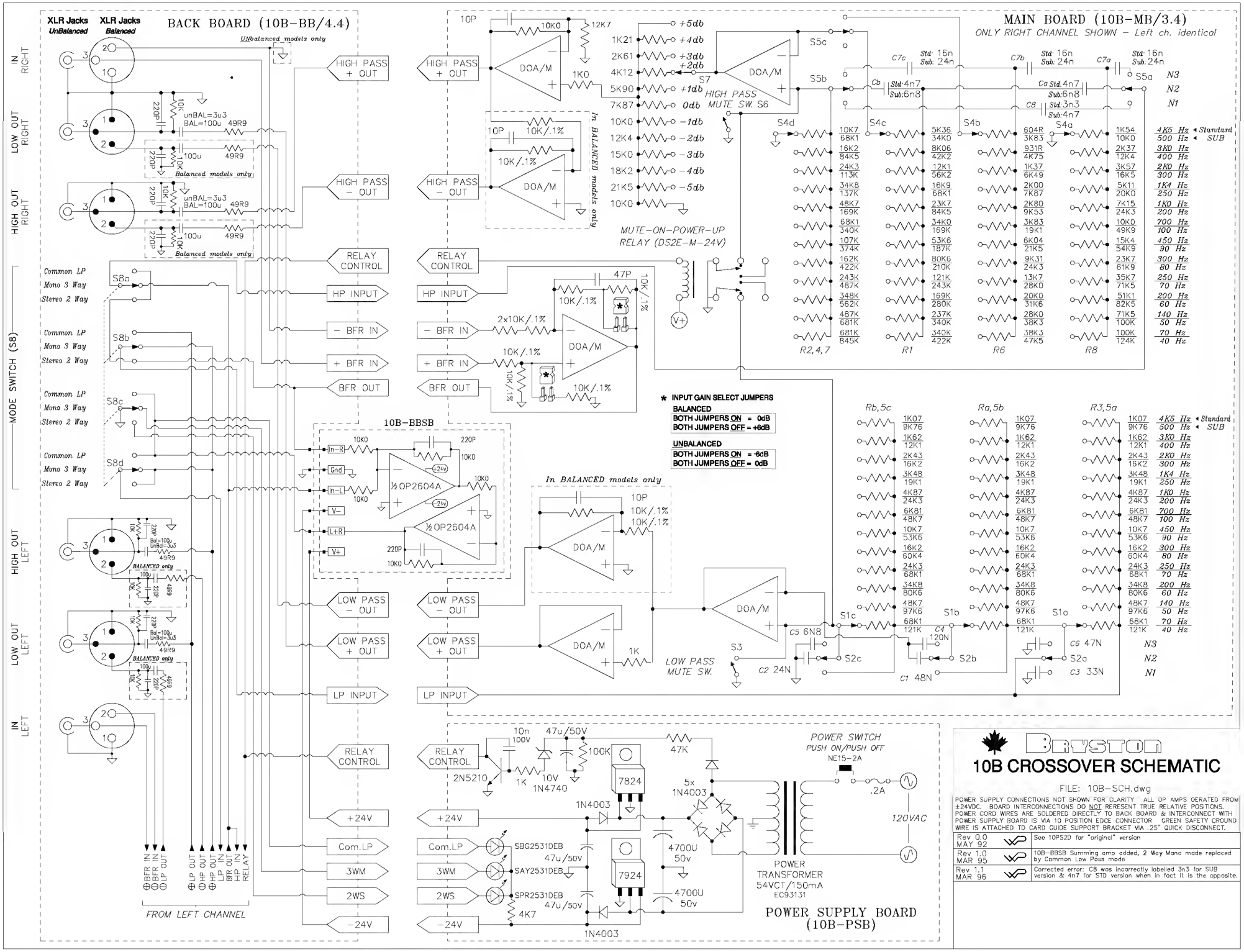

BACK BOARD (10B-BB/4.4)
XLR Jacks UnBalanced
XLR Jacks Balanced
UNbalanced models only
IN RIGHT
LOW OUT RIGHT
HIGH OUT RIGHT
MODE SWITCH (S8)
HIGH OUT LEFT
LOW OUT LEFT
IN LEFT
Common LP
Mono 3 Way
Stereo 2 Way
Balanced models only
HIGH PASS + OUT
HIGH PASS − OUT
RELAY CONTROL
HP INPUT
− BFR IN
+ BFR IN
BFR OUT
LOW PASS + OUT
LOW PASS − OUT
LP INPUT
+24V
Com.LP
3WM
2WS
−24V
10B-BBSB
½ OP2604A
FROM LEFT CHANNEL
MAIN BOARD (10B-MB/3.4)
ONLY RIGHT CHANNEL SHOWN – Left ch. identical
DOA/M
In BALANCED models only
This 11 step attenuator can be inserted in either the LP or HP signal paths by installing the appropriate jumpers on 10B-MB/3.8
MUTE-ON-POWER-UP RELAY (DS2E-M-24V)
HIGH PASS MUTE SW.
LOW PASS MUTE SW.
★ INPUT GAIN SELECT JUMPERS
BALANCED
BOTH JUMPERS ON = 0dB
BOTH JUMPERS OFF = +6dB
UNBALANCED
BOTH JUMPERS ON = -6dB
BOTH JUMPERS OFF = 0dB
This jumper is normally in place, and the other feedback components around this non-inverting op-amp are omitted, when the 11 position attenuator is in the HIGH pass signal path.
The 11 step attenuator can be inserted in place of this jumper, in which case the 10K0, 47pf and 12K7 feedback components around non-inverting output opamp are installed to provide the necessary +5dB of gain.
R2,4,7
R1
R6
R8
Rb,5c
Ra,5b
R3,5a
Standard
SUB
POWER SWITCH
PUSH ON/PUSH OFF
NE15-2A
120VAC
POWER TRANSFORMER
54VCT/150mA
EC93131
POWER SUPPLY BOARD (10B-PSB)
BRYSTON
10B CROSSOVER SCHEMATIC
FILE: 10B-SCH2.dwg
POWER SUPPLY CONNECTIONS NOT SHOWN FOR CLARITY ALL OP AMPS OERATED FROM ±24VDC. BOARD INTERCONNECTIONS DO NOT RERESENT TRUE RELATIVE POSITIONS POWER CORD WIRES ARE SOLDERED DIRECTLY TO BACK BOARD & INTERCONNECT WITH POWER SUPPLY BOARD IS VIA 10 POSITION EDGE CONNECTOR GREEN SAFETY GROUND WIRE IS ATTACHED TO CARD GUIDE SUPPORT BRACKET VIA .25" QUICK DISCONNECT.
Rev 0.0 MAY 92 — See 10PS2D for "original" version
Rev 1.0 MAR 95 — 10B-BBSB Summing amp added, 2 Way Mono mode replaced by Common Low Poss mode
Rev 1.1 MAR 96 — Corrected error: C8 was incorrectly labelled 3n3 for SUB version & 4n7 for STD version when in fact it is the opposite.
Rev. 2 AUG 2001 — Low poss output stage mode identical to High poss output stage to allow gain to be added so that attenuator could be inserted in either LP or HP signal path.


BACK BOARD (10B-BB/4.4)
XLR Jacks UnBalanced
XLR Jacks Balanced
UNbalanced models only
IN RIGHT
LOW OUT RIGHT
HIGH OUT RIGHT
MODE SWITCH (S8)
HIGH OUT LEFT
LOW OUT LEFT
IN LEFT
unBAL=3u3
BAL=100u
Balanced models only
Common LP
Mono 3 Way
Stereo 2 Way
10B-BBSB
½OP2604A
FROM LEFT CHANNEL
HIGH PASS + OUT
HIGH PASS − OUT
RELAY CONTROL
HP INPUT
− BFR IN
+ BFR IN
BFR OUT
LOW PASS − OUT
LOW PASS + OUT
LP INPUT
+24V
Com.LP
3WM
2WS
−24V
MAIN BOARD (10B-MB/3.4)
ONLY RIGHT CHANNEL SHOWN – Left ch. identical
DOA/M
HIGH PASS MUTE SW. S6
MUTE-ON-POWER-UP RELAY (DS2E-M-24V)
In BALANCED models only
* INPUT GAIN SELECT JUMPERS
BALANCED
BOTH JUMPERS ON = 0dB
BOTH JUMPERS OFF = +6dB
UNBALANCED
BOTH JUMPERS ON = -6dB
BOTH JUMPERS OFF = 0dB
LOW PASS MUTE SW.
R2,4,7
R1
R6
R8
Rb,5c
Ra,5b
R3,5a
Standard
SUB
POWER SUPPLY BOARD (10B-PSB)
POWER SWITCH PUSH ON/PUSH OFF
NE15-2A
120VAC
POWER TRANSFORMER 54VCT/150mA
EC93131
7824
7924
SBG2531DEB
SAY2531DEB
SPR2531DEB
2N5210
1N4740
1N4003
5x 1N4003
4700U 50v
BRYSTON
10B CROSSOVER SCHEMATIC
FILE: 10B-SCH.dwg
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Rev 0.0 MAY 92 — See 10PS2D for "original" version
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